

**Amendments to the Specification**

Please replace the paragraph at page 38, lines 22-27 with the following replacement paragraph:

***BspHI* digest**

10µl amplified DNA

1ul 10x React 2 (NEB New England Biolabs)

0.5µl deionised water

5 units ~~BstU~~ BspHI

37 °C 60 minutes

Please replace the paragraph at page 73, lines 23-26 with the following replacement paragraph:

Primers EPIG13 and EPIG14 were used to amplify a 454 bp region of DNA which comprises both the 3' terminal coding region of the *MC1R* gene and the immediately adjacent 3' UTR. The sequence information collected is displayed in ~~figure 15~~ figure 12 and two polymorphic positions were identified.

Please replace the paragraph at page 74, lines 7-11 with the following replacement paragraph:

The second polymorphism is a base substitution at nucleotide position 1162 unique to the European Wild boar. ~~Figure 15~~ Figure 12 shows five breeds to have a G base at this position and the Wild boar to contain an A. This sequence difference offers the possibility to distinguish the European Wild boar from the other breeds analysed with a DNA based test.